The following Listing of Claims will replace all prior versions, and listings, of claims in the application.

LISTING OF CLAIMS:

1. (Currently Amended) A compressor, comprising:

a compression mechanism configured to compress fluid, the compression mechanism including a discharge port;

a reed valve; and

a valve retainer for the reed valve coupling the reed valve at the discharge port,

at least part of the valve retainer being composed of a shape varying member that varies in shape in response to ~~an external input force~~ a voltage application so as to change an opening/closing state of the reed valve.

2. (Previously Presented) The compressor of claim 1, wherein

the valve retainer includes a valve fixing part for fixing a fixed part of the reed valve and a curved guiding part for restricting a valve part of the reed valve to a lift amount, and

at least part of the guiding part is composed of the shape varying member so as to change the lift amount of the valve part of the reed valve.

3. (Previously Presented) The compressor of claim 2, wherein

the shape varying member of the guiding part changes in a warp amount so as to change a curve.

4. (Previously Presented) The compressor of claim 1, wherein

the valve retainer includes a valve fixing part for fixing a fixed part of the reed valve and a curved guiding part for restricting a valve part of the reed valve to a lift amount, and

at least part of the valve fixing part forms the shape varying member so as to change a rigidity of the reed valve.

5. (Previously Presented) The compressor of claim 4, wherein

the shape varying member of the valve fixing part expands or contracts in length so as to change a fixed length of the reed valve.

6. (Previously Presented) The compressor of claim 1, wherein

the shape varying member is formed of a polymer actuator.

7. (New) A compressor, comprising:

a compression mechanism configured to compress fluid, the compression mechanism including a discharge port;

a reed valve; and

a valve retainer for the reed valve coupling the reed valve at the discharge port,

only part of the valve retainer being composed of a shape varying member that varies in shape in response to a voltage application so as to change an opening/closing state of the reed valve.

8. (New) The compressor of claim 7, wherein

the valve retainer includes a valve fixing part for fixing a fixed part of the reed valve and a curved guiding part for restricting a valve part of the reed valve to a lift amount, and

at least part of the guiding part is composed of the shape varying member so as to change the lift amount of the valve part of the reed valve.

9. (New) The compressor of claim 8, wherein

the shape varying member of the guiding part changes in a warp amount so as to change a curve.

10. (New) The compressor of claim 7, wherein

the valve retainer includes a valve fixing part for fixing a fixed part of the reed valve and a curved guiding part for restricting a valve part of the reed valve to a lift amount, and

at least part of the valve fixing part forms the shape varying member so as to change a rigidity of the reed valve.

11. (New) The compressor of claim 10, wherein

the shape varying member of the valve fixing part expands or contracts in length so as to change a fixed length of the reed valve.

12. (New) The compressor of claim 7, wherein

the shape varying member is formed of a polymer actuator.